

Special Purpose Automatic Plants

Drive to cater to any of your painting needs

Rail Bogie Painting

Vertical reciprocators from both sides paint the sides of the bogie and a circular reciprocator from top paints the top of the bogie. All these reciprocators are mounted on a rail which moves horizontally across the length of the bogie and this happens automatically and simultaneously with one simple click on the HMI.



Vertical Circular Reciprocator

Automatic horizontal coating on tube:

- If components are tubular /simple, those can be fixed in a lathe chuck like fixture.
- It can be rotated so that every surface is exposed to the automatic guns, which are fixed from the front side. Guns can be of any type. Only loading and unloading of the component is manual.
- Paint feeding system, pump cleaning system, selection of auto guns can be automatic and interlocked with booth start, water start etc.



Oscillator

The pneumatic cylinder driven oscillator moves the gun in an angular span. The coating span can be varied by adjusting the cylinder stroke.

Bomb Shell Coating

In a water wash booth, bomb shell is kept on a rotating table. Automatic gun is mounted on a reciprocator. When the article comes in front of the gun, turn table stops rotating & the article starts revolving. Then gun's vertical movement and spraying starts. After the article is coated article indexing, gun movement and paint spraying stops and turn table starts rotating again until the next article comes in front of the gun. This all is synchronized so all you have to do is load and unload the articles.



Vertical Reciprocator

Unispray

Pendulum type reciprocator is used to spray antistatic solution on Non Viscous (PV) fibers in textile industry. Solution is stored – sprayed through stainless steel automatic airless gun. This helps in improving thread quality.



Pendulum Reciprocator

Horizontal Reciprocator:

For sheet / plate coating this type of reciprocator is used for top and/or bottom coating. Automatic gun can be of electrostatic powder / liquid / airless type.

Primer Coating on sheets / roofs / plates:

EMR can-be mounted horizontally to coat, top/ bottom side. Any guns can be mounted.

Teflon coating on razor edge:

The razor blades are staged & mounted on horizontal reciprocator which moves to and fro. Two electrostatic guns spray from opposite sides. To smoothen the edge of razor a special type of Teflon is sprayed, which is charged electrostatically.



Horizontal Reciprocator

Material Handling

Intech manufactures a wide range of Material Handling equipments as per process requirements, which includes transfer, storage, selective supply, queuing, dipping, raising, testing and automatic loading and unloading, indexing etc.

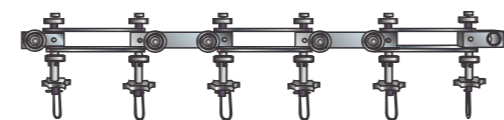
Transrail

Conveyor with totally flexible handling, upper track carries powered chain with trolleys on lower track. Trolley can move with main chain or can be stopped / diverted or dropped vertically & can re-enter the main line at any location.



Freerail

This is the best & most inexpensive choice for transportation of articles to various location with a facility to select route, raise, lower, tilt, queue or wait. Free trollies carrying weights up to 80 Kg. or 160 Kg. are pulled manually through and enclosed track.



Megarail

For the higher load carrying capacity ranging from 180 kg to 700 kg & rugged working conditions, this conveyor is most suitable. The conveyor comprises of I-Beam Track, two wheel trolleys & forged link chain.



Aerorail

The sophisticated form of overhead chain conveyor with completely enclosed chain. This medium duty conveyor is mainly used for continuous conveying of the material from one point to another carrying the material through a process station.



Minirail

This overhead biplaner chain conveyor with four wheel trolley & 100 mm pitch is ideal for light weight components. Complete process can be accommodated in a compact space, as the bend radius in only 300 mm .



Yashprabha Group Associate Companies



Statfield Equipments Pvt Ltd.
Powder Coating and
Liquid Painting Equipments



Minilec India Pvt. Ltd.
Controls, PLCs and Annunciators



Intech Surface Coating Pvt. Ltd.
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MATERIAL HANDLING

Note : We reserve the right to modify/change above data/specifications without prior notice.

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Driving Surface Coating Technology

Innovation distinguishes between a leader and a follower in surface coating technology

Our approach in continuously innovating new products and processes that will benefit our customers has made us leaders in surface coating technology. High value for customers and extraordinary services are key secrets of our success.

Powder Coating Gun

High profitability and less powder consumption



Now Magnify the profitability by saving powder, downtime.

New age Gun Technology is so advanced that it gives

- Coating Speed / Maximum Production
- Improved Finish
- Low Energy generations

Salient features:

- External Powder Path
- Easy & quick color change is the unique advantage of external powder path.

Fold Back Characteristics:

- In case of human/article contact the gun shuts down automatically.

Touch trigger:

- Fatigue free & safe operation, as the gun triggers only if operator is earthed.



Built in Sifter

Maxim

Different Nozzles for different applications



Sifter

This is used for sieving powders to remove dust.

Powder Recovery Booths

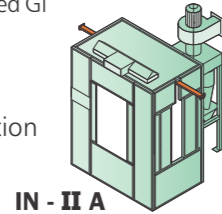


Powder Recovery is the secret of profitability

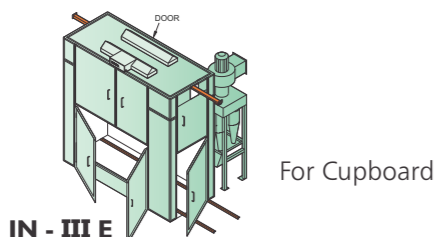
Salient Features:

- 98.5% recovery Guaranteed
- Instead of duct between Chamber & Recovery there is only one single loose 'C' Channel without any nuts and bolts
- Compact Design
- Full Powder Coated GI

For Aluminum section

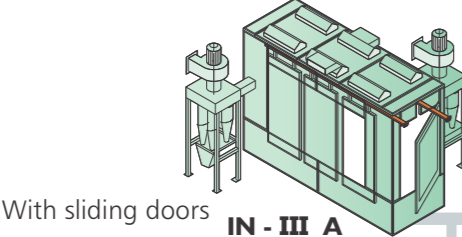


IN - II A



For Cupboard

IN - III E



With sliding doors

IN - III A



Post Filter

When installed with booth, surrounding atmosphere at the plant remains Pollution free

Roll-in Roll-Out Booth

Recommended in conveyerised plants for online 'Quick Colour Change'.

Designed to suit specific applications of powder coating. Can be provided with automatic applicators, cartridge type post filters, roll in roll out booth and pressurization.



Conveyorised Ovens

Application of ovens in Paint Shop is for Water Drying after pretreatment and for Curing or Baking of Paint or Powder.

Diamond Loop Oven:

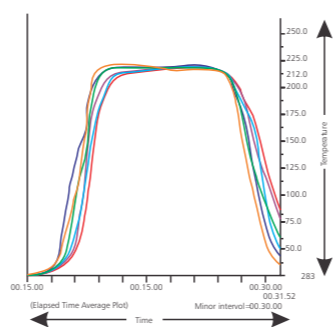
Using power & Free Conveyor for higher production volumes, space constraint and longer components this system is suggested. In this after the entry of article inside oven the article moves laterally and completes the required curing time before exit.

Camel Back oven:

To reduce the heat losses through entry and exit article cutouts this system is suggested and the results are good. The article entry / exit is from bottom side of oven instead of straight type in regular oven.

IR Oven:

This system is suggested for quick drying of components which saves electrical consumption. The regular oven with Diesel Fired / Gas fired heating system with IR Booster zone can also be offered to reduce the curing time.



Travelling Temperature Graph test. (TTR Test)

Temperature uniformity in vicinity of article is checked with the help of TTR

Liquid Booths

Control paint before polluting the environment

Water Wash:

The over sprayed paint is dragged towards the water curtain.



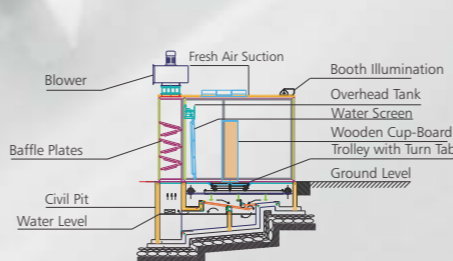
Dry Back:

Over sprayed paint particles are arrested by metallic filters.



Down Draft:

Over sprayed paint particles are arrested by continuous bottom water curtain.



Advanced Liquid Booth

We also supply Advanced Liquid Painting Booths which are used for Better Pollution Control, Complex Material handling, Fresh Air Unit and Combination booths (drafts)

Liquid Painting conveyerised automatic plant



Paint Kitchen System

Mass production leads to voluminous painting and that's why with Statfield paint circulation system color change at many booths is possible through the paint storage room. Also different colors can be fed to different locations at the same time.

Statfield undertakes the total responsibility of customized paint circulation system.

Salient features:

Quick color change, Uninterrupted paint feeding and maintained viscosity.



Automatic Pre Treatment Plant



Pre Treatment Plant

Proper surface preparation of articles to remove any defects on article and protection coatings is necessary for long life and to achieve better painting quality.

Conveyorised Dip Pretreatment Plants

Conveyorised Dip Pretreatment where in the articles / components are hung on a conveyor and are dipped into the tanks.

Transportised Dip Pretreatment

PLC controlled transporters for automatic Material Handling.

Spray Pretreatment Plants

This system for Online cleaning of components consists of tunnel mounted on base tanks, piping, pump, nozzles etc. The design is based on conveyor speed, article profile & pretreatment timing.



Electrostatic Liquid Painting Equipments



Improve paint saving

Salient Features :

- Achieve saving up to 50%
- Better edge coverage
- Failure diagnosis feature for immediate fault identification and its area.
- Recipe section stores painting data of different articles.

Charge Premium



Paint Transfer Pump

For uninterrupted, uniform & filtered paint feeding.

Airless Painting (Sagar & Sarita)

For Painting of large articles, high viscous paints & speedy painting requirements.

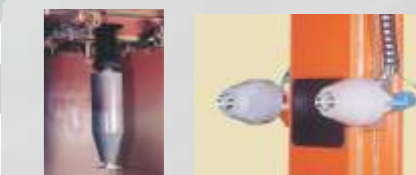


Stirrer



Electrostatic Bell and Disc

These automatisers use centrifugal force for atomisation, caused by a rotating bell or disc shaped electrode-cum-applicator.



Disc

Bell

Automation of plant becomes easy with statfield.

EMR 8

The fully automatic reciprocator eliminates labor by which human errors are reduced to great extend & can work in hazardous conditions. It save time & powder while achieving superior coating quality. It has audio visual alarms for errors/faults.

Automatic gun:

The SA 17 Powder coating Auto gun gives 100 kv output with highest coating efficiency & it is designed as per CE & Atex guideline to meet safety regulation.

BOOTH

BOOTH

GUN

GUN

GUN

BOOTH

OVEN

PLANT

PLANT

EQUIPMENT

APPLICATION